AFI

10/100/1000BASE-T to 100 Base-FX Ethernet Media Converter / 3 Port Switch with PoE+

FEATURES:

♦ Complete Fiber Optic to Twisted Pair Media Interface
♦ Auto MDI / MDIX Detection
♦ Auto Negotiate 10/100/1000 Ports
♦ Link and Activity Indicators for UTP and Fiber Ports
♦ Singlemode and Multimode Fiber Versions Available
♦ Power Over Ethernet on Both Ports

SPECIFICATIONS:

Ethernet:
Data Rate
 Auto negotiated . 10/100/1000 Mb/s
Connector RJ45
PoE (2 RJ45 ports).............. 802.3af
PoE (2 RJ45 ports)...............802.3at

Optical:
One Fiber.................. 1310/1550 nm
Two Fiber............................ 1310 nm
Source:
 Multimode Two Fiber .... LED
 Multimode One Fiber........... Laser
Distance
 FX 62/125u .... 2 km
Loss Budget ....11 dB
Connector .... SC,ST

Power:
Voltage .... 48 VDC
Current................................ 200 mA
Connector ....2 Pin Terminal Block

Recommended Power Supply:
48VDC @ 60W (Sold separately)

Environmental:
Temperature...........-40 °C to +75 °C
Humidity.........................5 % to 95 %

Size:
Module..................... 4¼" x 4¼" x 1 "

The American Fibertek 46-PoE+ Series transmits and receives (2) copper 10/100/1000BASE-T Ethernet signals at the RJ45 ports and (1) optical 100 Base-FX over 1 or 2 multimode fibers. The system is comprised of two units forming a point-to-point communications link.

The 46-PoE+Series sources power to devices from the RJ45 ports over the copper connection. Both RJ45 ports may be used to deliver 802.3af (15 watts) or 802.3at (30 watts) to PD powered devices. An external power supply is required.

The system is designed to be completely transparent with auto negotiation feature which automatically configures the unit for the correct speed (10/100/1000BASE-T).

Auto MDI/MDIX operation eliminates the potential need for crossover cables. Diagnostic indicators provide a quick visual indication of system status.

ORDERING INFORMATION:

MTX-46-FX-SC-PoE+   One Fiber Module Transmitter FX Multimode SC Connector
MTX-46-FX-ST-PoE+   One Fiber Module Transmitter FX Multimode ST Connector
MX-46-FX-SC-PoE+   Two Fiber Module FX Multimode SC Connector
MX-46-FX-ST-PoE+   Two Fiber Module FX Multimode ST Connector

POWER SUPPLY:

AFI-PSU2016   Universal Input to 48V 60W Output 0 to 50°C
PS-4875   Universal Input to 48V 75W Output -40 to 75°C

The PoE module is typically used only at the system edge (to power the camera etc.). The mating unit would then be the non PoE version of the product which is available in module or rack card packages.